

Appendix 6: Pooled results for first v second generation endometrial destruction [posted as supplied by author]

	Time point	Trials (no.)	WMD (95%CI) <sup>\$</sup>	OR (95%CI) <sup>#</sup>	P-value	Hetero (p) / I <sup>2</sup> (%)
Proportion amenorrhoea	6 months	5 (736)	-	1.16 (0.81 to 1.66)	0.4	0.09/ 50
	12 months	13 (2180)	-	1.12 (0.93 to 1.35)	0.3	<0.0001/ 74
	2 years	2 (370)	-	0.64 (0.41 to 0.99)	0.04	0.2/ 36
	3 years	1 (111)	-	0.24 (0.11 to 0.50)	0.0002	-
	5 years	1 (236)	-	1.19 (0.70 to 2.05)	0.5	-
	10 years	1 (189)	-	1.56 (0.69 to 3.51)	0.3	-
Proportion with heavy bleeding	6 months	5 (736)	-	1.33 (0.92 to 1.93)	0.1	0.5/ 0
	12 months	13 (2180)	-	0.97 (0.74 to 1.28)	0.9	0.8/ 0
	2 years	2 (370)	-	0.54 (0.30 to 0.97)	0.04	0.8/ 0
	3 years	1 (111)	-	0.58 (0.14 to 2.41)	0.5	-
	5 years	1 (266)	-	1.05 (0.30 to 3.70)	0.9	-
	6 months	6 (1001)	-2 (-49 to 45)	-	0.9	0.2/ 33
Bleeding score (change)	12 months	9 (1778)	-10 (-37 to 17)	-	0.5	0.009/ 61
	2 years	1 (121)	6 (-122 to 134)	-	0.9	-
	6 months	4 (562)	-	0.95 (0.64 to 1.41)	0.8	0.4/ 0
	12 months	8 (1548)	-	0.84 (0.67 to 1.07)	0.2	0.5/ 0
	2 years	2 (475)	-	0.95 (0.62 to 1.46)	0.8	0.3/ 0
	3 years	1 (212)	-	0.91 (0.47 to 1.76)	0.8	-
Proportion dysmenorrhoea	5 years	1 (266)	-	1.05 (0.48 to 2.30)	0.9	-
	6 months	11 (1911)	-15 (-15 to -14)	-	<0.0001	<0.0001/ 96
	12 months	8 (1597)	-	0.16 (0.12 to 0.20)	<0.0001	<0.0001/ 86
	2 years	5 (342)	0.05 (-0.17 to 0.27)	-	0.7	<0.0001/ 89
	3 years	2 (116)	-1.4 (-2.0 to -0.7)	-	<0.0001	0.3/ 10
	5 years	5 (901)	-0.48 (-0.75 to -0.20)	-	0.0008	0.04/ 59
Duration surgery (mins)	6 months	2 (106)	-	1.09 (0.27 to 4.41)	0.9	-
	12 months	3 (330)	-	0.89 (0.46 to 1.73)	0.7	0.2/ 32
	2 years	1 (247)	-	0.95 (0.46 to 1.96)	0.9	-
	5 years	1 (218)	-	0.40 (0.18 to 0.93)	0.03	-
	6 months	1 (265)	0.6 (-3.5 to 4.7)	-	0.8	-
	12 months	1 (267)	3.0 (-0.6 to 6.6)	-	0.1	-
General anaesthesia	2 years	1 (273)	3.3 (-3.1 to 9.7)	-	0.3	-
	5 years	1 (271)	3.3 (-4.0 to 10.6)	-	0.4	-
	6 months	1 (269)	0.8 (-3.5 to 5.1)	-	0.7	-
	12 months	1 (257)	0.6 (-2.8 to 4.0)	-	0.7	-
	2 years	1 (269)	0.6 (-4.6 to 5.8)	-	0.8	-
	5 years	1 (269)	0.7 (-4.6 to 6.0)	-	0.8	-
Surgery pain score (0-10)	6 months	2 (522)	-1.5 (-4.5 to 1.4)	-	0.3	0.7/ 0
	12 months	2 (519)	-0.4 (-3.6 to 2.7)	-	0.8	0.9/ 0
	2 years	2 (512)	-5.8 (-11.0 to -0.6)	-	0.03	0.7/ 0
	5 years	2 (521)	-2.2 (-7.5 to 3.2)	-	0.4	0.7/ 0
	6 months	2 (521)	-1.5 (-4.8 to 1.9)	-	0.4	0.8/ 0
	12 months	2 (512)	-1.0 (-3.9 to 1.9)	-	0.5	0.3/ 25
Return to work (days)	2 years	2 (521)	-3.1 (-7.0 to 0.9)	-	0.1	0.7/ 0
	5 years	2 (522)	0.7 (-3.6 to 4.9)	-	0.8	0.9/ 0
	6 months	1 (249)	0.3 (-5.9 to 6.5)	-	0.9	-
	12 months	1 (249)	-2.4 (-8.1 to 3.3)	-	0.4	-
	2 years	1 (249)	-3.9 (-13.9 to 6.1)	-	0.5	-
	5 years	1 (249)	-5.6 (-15.4 to 4.2)	-	0.3	-
Return normal activities (days)	6 months	1 (249)	-1.3 (-6.5 to 3.9)	-	0.6	-
	12 months	1 (249)	-3.2 (-9.2 to 2.8)	-	0.3	-
	2 years	1 (249)	0.4 (-5.5 to 6.3)	-	0.9	-
	5 years	1 (249)	-2.0 (-9.1 to 5.1)	-	0.6	-
	6 months	1 (235)	2.8 (-3.6 to 9.2)	-	0.4	-
	12 months	1 (232)	-2.2 (-8.7 to 4.3)	-	0.5	-
Proportion dyspareunia	2 years	1 (232)	1.3 (-8.8 to 11.4)	-	0.8	-
	5 years	1 (234)	2.7 (-6.4 to 11.8)	-	0.6	-
	6 months	1 (235)	0.3 (-4.9 to 5.5)	-	0.9	-
	12 months	1 (235)	1.6 (-4.7 to 7.9)	-	0.6	-
	2 years	1 (234)	0.0 (-6.3 to 6.3)	-	1.0	-
	5 years	1 (235)	2.6 (-4.6 to 9.8)	-	0.5	-
SF36 General health (absolute)	6 months	1 (259)	-1.3 (-5.5 to 2.9)	-	0.5	-
	12 months	1 (259)	3.0 (-2.6 to 8.6)	-	0.3	-
	2 years	1 (264)	7.6 (-4.2 to 19.4)	-	0.2	-
	5 years	1 (264)	3.9 (-6.5 to 14.3)	-	0.5	-
	6 months	1 (261)	-1.2 (-6.0 to 3.6)	-	0.6	-
	12 months	1 (230)	1.4 (-4.1 to 6.9)	-	0.6	-
SF36 Physical function (absolute)	2 years	1 (261)	2.8 (-3.1 to 8.7)	-	0.4	-
	5 years	1 (261)	4.5 (-3.3 to 12.3)	-	0.3	-
	6 months	2 (515)	-3.4 (-6.3 to -0.6)	-	0.02	0.6/ 0
	12 months	2 (504)	1.0 (-2.6 to 4.6)	-	0.6	0.6/ 0
	2 years	2 (512)	-7.0 (-15.2 to 1.2)	-	0.09	0.04/ 75
	5 years	2 (513)	-0.8 (-9.0 to 7.6)	-	0.9	0.3/ 0
SF36 Role physical (absolute)	6 months	2 (512)	-2.0 (-5.6 to 1.6)	-	0.3	0.6/ 0
	12 months	2 (478)	-2.1 (-6.1 to 1.9)	-	0.3	0.2/ 31
	2 years	2 (511)	-1.2 (-5.3 to 2.9)	-	0.6	0.9/ 0
	5 years	2 (512)	-2.1 (-7.7 to 3.6)	-	0.5	0.03/ 78
	6 months	2 (512)	-	-	-	-
	12 months	2 (512)	-	-	-	-

SF36 General health (change)		1 (249)	-1.9 (-7.4 to 3.6)	-	0.5	-
SF36 Physical function (change)		1 (244)	-1.3 (-6.5 to 3.9)	-	0.6	-
SF36 Role physical (change)		1 (249)	-12.3 (-24.5 to -0.1)	-	0.05	-
SF36 Role emotional (change)	2 years	1 (249)	-8.2 (-17.1 to 0.7)	-	0.07	-
SF36 Mental health (change)		1 (248)	-1.8 (-6.9 to 3.3)	-	0.5	-
SF36 Social function (change)		1 (248)	-4.2 (-10.6 to 2.2)	-	0.2	-
SF36 Vitality (change)		1 (248)	0.5 (-5.4 to 6.4)	-	0.9	-
SF36 Pain (change)		1 (249)	-10.8 (-18.6 to -3.0)	-	0.007	-
SF36 General health (change)		1 (235)	1.3 (-4.4 to 7.0)	-	0.7	-
SF36 Physical function (change)		1 (228)	-0.7 (-6.5 to 5.1)	-	0.8	-
SF36 Role physical (change)		1 (232)	-6.5 (-19.0 to 6.0)	-	0.3	-
SF36 Role emotional (change)	5 years	1 (234)	1.7 (-9.7 to 13.1)	-	0.8	-
SF36 Mental health (change)		1 (234)	0.4 (-5.5 to 6.3)	-	0.9	-
SF36 Social function (change)		1 (234)	0.8 (-6.0 to 7.6)	-	0.8	-
SF36 Vitality (change)		1 (233)	1.9 (-5.0 to 8.8)	-	0.6	-
SF36 Pain (change)		1 (235)	-4.1 (-12.7 to 4.5)	-	0.4	-
SF36 General health (change)		1 (189)	-1.9 (-8.3 to 4.5)	-	0.6	-
SF36 Physical function (change)		1 (189)	-1.4 (-8.8 to 6.0)	-	0.7	-
SF36 Role physical (change)		1 (189)	4.1 (-10.2 to 18.4)	-	0.6	-
SF36 Role emotional (change)	10 years	1 (189)	7.6 (-6.2 to 21.4)	-	0.3	-
SF36 Mental health (change)		1 (189)	-0.7 (-7.3 to 5.9)	-	0.8	-
SF36 Social function (change)		1 (189)	0.2 (-7.8 to 8.2)	-	1.0	-
SF36 Vitality (change)		1 (189)	-2.4 (-10.4 to 5.6)	-	0.6	-
SF36 Pain (change)		1 (189)	-0.7 (-11.0 to 9.6)	-	0.9	-
EQ5D (absolute)	6 months	1 (68)	0.00 (-0.12 to 0.12)	-	1.0	-
	12 months	1 (61)	-0.03 (-0.15 to 0.09)	-	0.6	-
EQ5D (change)	6 months	1 (66)	0.13 (-0.01 to 0.27)	-	0.08	-
	12 months	1 (60)	0.08 (-0.06 to 0.22)	-	0.3	-

<b>Repeat endometrial destruction</b>	12 months	6 (1469)	-	0.71 (0.17 to 2.94)	0.6	0.4/ 0
	2 years	3 (677)	-	0.76 (0.16 to 3.63)	0.7	0.3/ 0
	3 years	1 (275)	-	5.11 (0.24 to 107)	0.3	-
	5 years	1 (263)	-	0.20 (0.01 to 4.30)	0.3	-
	10 years	1 (263)	-	0.34 (0.04 to 3.32)	0.4	-
	6 months	1 (63)	-	0.56 (0.11 to 2.75)	0.5	-
<b>Hysterectomy after endometrial destruction</b>	12 months	11 (2265)	-	0.77 (0.47 to 1.24)	0.3	1.0/ 0
	2 years	4 (939)	-	0.68 (0.41 to 1.13)	0.1	0.4/ 0
	3 years	1 (275)	-	0.48 (0.19 to 1.22)	0.1	-
	5 years	1 (266)	-	0.58 (0.31 to 1.06)	0.08	-
	10 years	1 (263)	-	0.52 (0.29 to 0.94)	0.03	-
<b>Repeat endometrial destruction (overall)</b>	12 months	6	8/1469 (<1%)			
	2 years	3	7/677 (1%)			
	3 years	1	2/275 (1%)			
	5 years	1	2/263 (1%)			
	10 years	1	4/263 (2%)			
	6 months	1	7/63 (11%)			
<b>Hysterectomy after endometrial destruction (overall)</b>	12 months	11	74/2265 (3%)			
	2 years	4	71/939 (8%)			
	3 years	1	21/275 (8%)			
	5 years	1	55/266 (21%)			
	10 years	1	60/263 (23%)			
<b>Peri-procedure complications:</b>		<b>Trials</b>	<b>Freq</b>			
			<b>1<sup>st</sup> gen: max 1017, 2<sup>nd</sup> gen: max 1467</b>			
- Anaesthesia problems		14	0, 2	4.40 (0.23 to 85.1)	0.3	1.0/ 0
- Excessive bleeding		14	8, 0	0.14 (0.03 to 0.55)	0.005	1.0/ 0
- Uterine perforation		14	12, 3	0.20 (0.07 to 0.57)	0.003	0.3/ 12
- Fluid overload		14	14, 0	0.12 (0.04 to 0.36)	0.0001	1.0/ 0
- Visceral damage		14	0, 2	4.40 (0.23 to 85.8)	0.3	-
- Cervical laceration		14	15, 2	0.12 (0.05 to 0.33)	<0.0001	0.9/ 0
- Procedure abandoned		14	7, 16	1.58 (0.67 to 3.72)	0.3	0.3/ 14
- Converted to hysterectomy		14	3, 1	0.38 (0.05 to 2.73)	0.3	0.3/ 1
<b>Further complications (&lt;1 month):</b>						
- Urinary tract infection		14	12, 19	0.90 (0.42 to 1.90)	0.8	0.6/ 0
- DVT		14	0, 0	-	-	-
- Further bleeding		14	3, 5	1.17 (0.28 to 4.92)	0.8	0.07/ 57
- Sepsis		14	0, 0	-	-	-
- Pyrexia		14	1, 3	1.88 (0.25 to 14.2)	0.5	0.4/ 0
- Endometriosis		14	9, 19	1.47 (0.68 to 3.18)	0.3	0.4/ 10
- Haematomata		14	11, 5	0.26 (0.09 to 0.72)	0.01	0.8/ 0
- Abdominal pain		14	34, 31	0.43 (0.26 to 0.74)	0.002	0.009/ 67
- Foul discharge		14	1, 1	0.56 (0.03 to 9.94)	0.7	0.2/ 47
- Visceral damage		14	0, 0	-	-	-

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